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## PATENT ABSTRACTS OF JAPAN

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(71) Applicant: NEC KANSAI LTD

(72) Inventor: TAINAKA HARUICHIRO

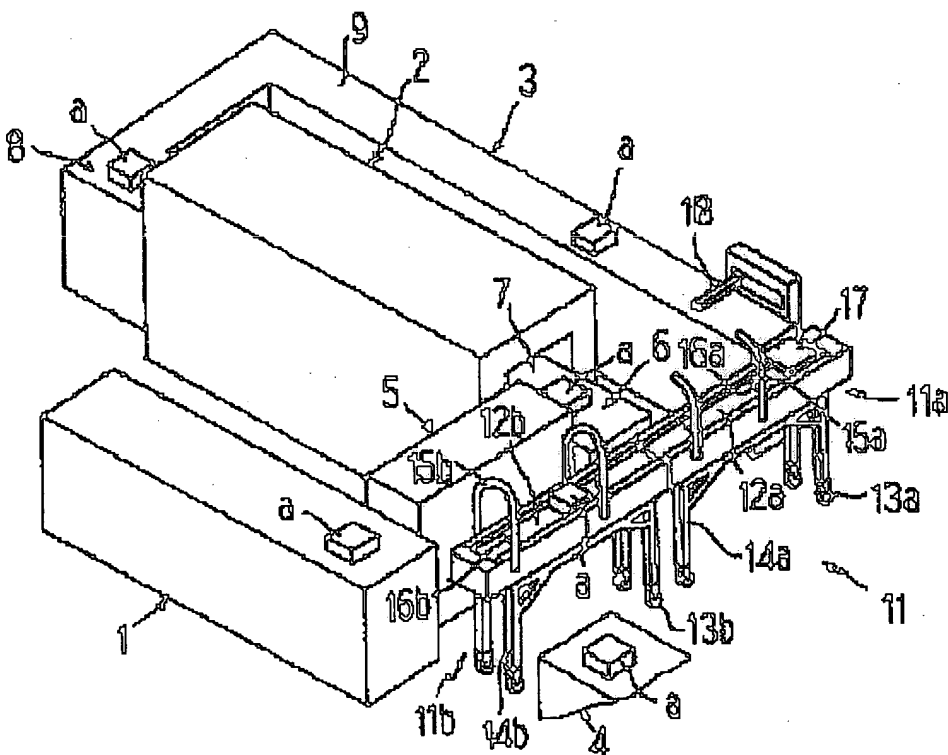
(74) Representative:

### (54) ELECTRONIC COMPONENT MANUFACTURING EQUIPMENT

(57) Abstract:

**PURPOSE:** To make the movement of workers as little as possible for improving the workability and to do a maintenance work easily at entrance of a conveyor furnace by installing a carrier conveyor which is extended from a transportation end of a return conveyor to a place near an assembly line on the opposite side of the conveyor furnace.

**CONSTITUTION:** This equipment is constituted of a conveyor furnace 2 for heat-treating a work in an assembly jig (a) and a return conveyor 3. The assembly jig (a) is supplied by a moving machine 5 from an assembly line 1 to a work supply port 6 of the conveyor furnace 2. In this equipment, a carrier conveyor 11 is installed which is extended from a transportation end of the return conveyor 3 which is parallel with the work supply port 6 of the conveyor furnace 2 to a place near an assembly line 1 on the opposite side of the conveyor furnace 2. Near the transportation end, a work take-out section 4 is located. The carrier conveyor 11, being constituted of separable first and second carrier conveyors 11a, 11b,



opens and shuts at the work supply  
port 6 of the conveyor furnace 2.

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second carrier conveyors 11a, 11b,